

Inventor: Arup Bhattacharyya

Title: Semiconductor Devices, and Electronic Systems Comprising Semiconductor Devices

Assignee: Micron Technology, Inc.

**INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO 37 C.F.R. " 1.56, 1.97 AND 1.98**

In compliance with 37 C.F.R. §§ 1.56, 1.97 and 1.98, your attention is directed to the United States patents and other references listed on the attached Form PTO-1449. No admission is made regarding whether all the submitted references are prior art.

The listed references were cited by, or submitted to, the Office in the parent, co-pending application of the above-identified application. The above-identified application is a continuation application of co-pending application Serial No. 10/364,710, filed February 10, 2003. Such prior disclosure is sufficient for the above-identified application as far as copies of the references are concerned. 37 C.F.R. § 1.98(d) and MPEP § 609(2).

Citation of these references is respectfully requested.

Dated: 2/17/04

By:

Respectfully submitted,



David G. Latwesen, Ph.D.  
Reg. No. 38,533

Mye5rsForm PTO-1449			U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. MI22-2506	PRIORITY SERIAL NO. 10/364,710
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)			APPLICANT Arup Bhattacharyya		
			PRIORITY FILING DATE February 10, 2003	GROUP Unknown	
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)					
	AA		Ono, K. et al., "Analysis of Current-Voltage Characteristics in Polysilicon TFTs for LCDs", IEDM Tech. Digest, 1988, pp. 256-259.		
	AB		Yamauchi, N. et al., "Drastically Improved Performance in Poly-Si TFTs with Channel Dimensions Comparable to Grain Size", IEDM Tech. Digest, 1989, pp. 353-356.		
	AC		King, T. et al, "A Low-Temperature ( $\leq 550^{\circ}\text{C}$ ) Silicon-Germanium MOS Thin-Film Transistor Technology for Large-Area Electronics", IEDM Tech. Digest, 1991, pp. 567-570.		
	AD		Kuriyama, H. et al., "High Mobility Poly-Si TFT by a New Excimer Laser Annealing Method for Large Area Electronics", IEDM Tech. Digest, 1991, pp. 563-566.		
	AE		Jeon, J. et al., "A New Poly-Si TFT with Selectively Doped Channel Fabricated by Novel Excimer Laser Annealing", IEDM Tech. Digest, 2000, pp. 213-216.		
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	AG		Hara, A. et al, "Selective Single-Crystalline-Silicon Growth at the Pre-Defined Active Regions of TFTs on a Glass by a Scanning CW Layer Irradiation", IEDM Tech. Digest, 2000, pp. 209-212.		
	AH		Hara, A. et al., "High Performance Poly-Si TFTs on a Glass by a Stable Scanning CW Laser Lateral Crystallization", IEDM Tech. Digest, 2001, pp. 747-750.		
	AI		Jagar, S. et al., "Single Grain Thin-Film-Transistor (TFT) with SOI CMOS Performance Formed by Metal-Induced-Lateral-Crystallization", IEDM Tech. Digest, 1999, p. 293-296.		
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

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LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)			APPLICANT Arup Bhattacharyya			
			FILING DATE February 10, 2003		GROUP 2811	
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)						
	AM		Feder, B.J., "I.B.M. Finds Way to Speed Up Chips", The New York Times, June 8, 2001, reprinted from <a href="http://www.nytimes.com/2001/06/08/technology/08BLUE.html">http://www.nytimes.com/2001/06/08/technology/08BLUE.html</a> , 2 pgs.			
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	AO		Li, P. et al., "Design of High Speed Si/SiGe Heterojunction Complementary MOSFETs with Reduced Short-Channel Effects", Natl. Central University, ChungLi, Taiwan, ROC, Aug. 2001, Contract No. NSC 89-2215-E-008-049, National Science Council of Taiwan., pp. 1, 9.			
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	AR		Belford, R.E. et al., "Performance-Augmented CMOS Using Back-End Uniaxial Strain", DRC Conf. Digest, 2002, pp. 41-42.			
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	AT		Nayfeh, H.M. et al., "Electron Inversion Layer Mobility in Strained-Si n-MOSFET's with High Channel Doping Concentration Achieved by Ion Implantation", DRC Conf. Digest, 2002, pp. 43-44.			
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LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)			APPLICANT Arup Bhattacharyya			
			FILING DATE February 10, 2003		GROUP 2811	
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	AX		Mizuno, T. et al., "High Performance CMOS Operation of Strained-SOI MOSFETs Using Thin Film SiGe-on-Insulator Substrate", 2002 Sympos. on VLSI Tech. Digest of Technical Papers, p. 106-107.			
	AY		Tezuka, T. et al., "High-Performance Strained Si-on-Insulator MOSFETs by Novel Fabrication Processes Utilizing Ge-Condensation Technique", 2002 VLSI Tech. Digest of Technical Papers, pp. 96-97.			
	AZ		Takagi, S., "Strained-Si- and SiGe-on-Insulator (Strained SOI and SGOI) MOSFETs for High Performance/Low Power CMOS Application", DRC Conf. Digest, 2002, pp. 37-40.			
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	BD		Current, M.I. et al., "Atomic-Layer Cleaving with Si <sub>x</sub> Ge <sub>y</sub> Strain Layers for Fabrication of Si and Ge-Rich SOI Device Layers", 2001 IEEE Internat'l. SOI Conf. 10/01, pp. 11-12.			
	BE		Bhattacharyya, A., "The Role of Microelectronic Integration in Environmental Control: A Perspective", Mat. Res. Soc. Symp. Proc. Vol. 344, 1994, pp. 281-293.			
	BF		Myers, S.M. et al., "Deuterium Interactions in Oxygen-Implanted Copper", J. Appl. Phys., Vol. 65(1), Jan. 1, 1989, p. 311-321.			
	BG		Saggio, M. et al., "Innovative Localized Lifetime Control in High-Speed IGBT's", IEEE Elec. Dev. Lett., V. 18, No. 7, July 1997, pp. 333-335.			
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	BI		Yamada, T. et al., "Spread Source/Drain (SSD) MOSFET Using Selective Silicon Growth for 64Mbit DRAMs", IEDM Tech. Digest, 1989, pp. 35-38.			
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				APPLICANT Arup Bhattacharyya					
				PRIORITY FILING DATE February 10, 2003		GROUP Unknown			
<b>U.S. PATENT DOCUMENTS</b>									
*Examiner Initial		Document Number	Date	Name		Class	Subclass	Filing Date If Appropriate	
	AA	4,375,085	02-1983	Grise et al.					
	AB	5,483,094	01-1996	Sharma et al.					
	AC	5,659,504	08-1997	Bude et al.					
	AD	6,607,948 B1	08-2003	Sugiyama et al.					
	AE	US2003/0042534 A1	03-2003	Battacharyya					
	AF								
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	AH								
	AI								
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	AK								
<b>FOREIGN PATENT DOCUMENTS</b>									
		Document Number	Date	Country	Class	Subclass	Translation		
							Yes	No	
	AL								
	AM								
	AN								
	AO								
	AP								
<b>OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)</b>									
	AR			van Meer, H. Et al., "Ultra-Thin Film Fully-Depleted SOI CMOS with Raised G/S/D Device Architecture for Sub-100 nm Applications", 2001 IEEE Internat'l. SOI Conf. 10/2001, pp. 45-46.					
	AS								
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